timely warnings prevented any damage of consequence. Reported losses were only \$4,500, against which \$25,000 worth of property was saved through the warnings. The flood in the Ouachita River of Arkansas was unimportant. It was well forecast, no losses of consequence occurred, and all cattle were removed from the bottoms.

East of the Mississippi River and south of Tennessee all rivers were also in flood early in the month, except the Alabama and tributaries, which, however, rose to flood stage about the middle of the month, following the heavy rains of February 12 and 13. The floods in the Tombigbee and Black Warrior Rivers of Alabama were more pronounced, the crest stages ranging from 9 to 16 feet above flood stage.

With but a single exception these floods were properly forecast and the total of reported losses was only \$7,600, while the value of property saved was \$11,500. It should be stated, however, that the floods occurred during a season of the year when not much property is exposed to

damage from ordinary flood.

There were moderate floods in the lower Sabine and lower Trinity Rivers of Texas about the middle of the month. They were well forecast and no damage was reported. The upper Sabine River was in flood and rising at the close of the month.

The Guadalupe and Nueces Rivers of Texas were also in moderate flood from February 23 to 25, inclusive, with-

out damage of consequence.

Flood stages during February, 1923.

River and station.	Flood stage.	Above flood stages—dates.		Crest.	
		From—	То—	Stage.	Date.
ATLANTIC DRAINAGE.					
Cape Fear: Elizabethtown, N. C	Feet. 22	8	8	Feet. 22.0	s
Rimini, S. C. Do. Do Ferguson, S. C. Do.	12 12 12 12 12	2 7 28 (¹)	2 19 (*) 4 25	12.5 14.5 12.0 12.3 13.5	2 11 28 1 12–13
Broad: Blairs, S. C Saluda:	15	28	(9)	15. 2	28
Chappels, S. C	14	28	(2)	16. 2	28
Milledgeville, Ga	22 22	14 28	(²)	23.7 24.0	14 28
Ocmulgee: Abbeville, Ga	11 11	(¹) 20	1 23	11.3 11.8	1 21-22
EAST GULF DRAINAGE.					
Apalachicola: Blountstown, Fla	15	8	22	18.7	17
Alabama: Montgomery, Ala Selma, Ala	35 35	16 17	16 18	35. 3 36. 2	16 17-18
Cahaba: Centerville, Ala Tombigbee:	25	13	14	30.0	13
Lock No. 4, Ala	39 39	(¹) 8	3 25	45. 1 54. 8	1 20
Lock No. 10, Ala	46	14	16	55. 4	14
Jackson, Miss	20 20 18	(1) 4 13	1 23 (1)	20. 5 30. 7 20. 6	$\frac{1}{16}$
West Pearl: Pearl River, La	13	13	(2)	15.0	27-28
MISSISSIPPI DRAINAGE.	<u> </u>				
Cloverport, Ky Cloverport, Ky Evansville, Ind Henderson, Ky Dam No. 48, Ind Mount Vernon, Ind Shawneetown, Ill Little Kanswha:	40 35 33 42 35 35	(1) (1) 1 2	9 13 13 13 14 14	43. 9 42. 2 40. 2 48. 7 41. 3 42. 3	6 7-8 8-9 9 9
Glenville, W. Va	23	2	2	23.8	2
Clay, W. Va Big Sandy:	1	2	2	19.6	2
Pikeviile, Ky	1 35	3	3	39.0	3

Flood stages during February, 1923—Continued.

River and station.	Flood stage.	Above flood stages—dates.		Crest.	
		From-	то—	Stage.	Date.
MISSISSIPPI DRAINAGE—continued.					
Kentucky:	Feet.			Feet.	1
Beattyville, Ky	30	3	4	36.5	4
Green: Lock No. 6, Ky	30	3	7	38.4	5
Lock No. 4, Ky Lock No. 2, Ky	83	(1)	10	44.7	6
Lock No. 2, Ky	34	(1)	21	42. 4	10-11
Carthage, Tenn	40	5	8	43.0	6
Nashville, Tenn	40	4	11	43.5	9
Clarksville, Tenn Tennessee:	46	3	12	48.6	5
Knoxville, Tenn	12	4	6	16.8	5
Do i	12	14	15	13.9	15
Rockwood, Tenn	20 18	6 9	6 11	21.4 18.2	6
Rockwood, Tenn	32	3	19	37.5	ii
10181011;		[١.
Rogersville, Tenn	14	4	4	17.0	4
Mendota, Va	8	3	4	16.0	3
Do	8	13	14	10.0	13
Zinch: Speers Ferry, Va	20	8	4	22.0	3
Clinton, Tenn	25	4	6	32. 2	5
(ississippi:					40.14
New Madrid, Most. Francis:	34	11	15	34.3	13-14
Marked Tree, Ark	17	4	(2)	19, 2	16-19
Petit Jean:					
Danville, Ark	20 20	27	(1)	21.5 21.8	28
White:	20	i - '	(-)	1 21.3	
Calico Rock, Ark. Batesville, Ark.	18	2	4	27.3	2
Namport Ark	23 26	2 4	6 8	32.4	3 5
Newport, Ark	22	5	17	25.0	9-10
Black:					١.
Black Rock, Ark	14	(1)	18	21.7	4
Patterson, Ark	9	(1)	20	10.8	3-4
Fallahatchie:		1 ''		00.4	10 10
Swan Lake, Miss	25	9	(2)	28.4	16-18
Ringo Crossing, Tex	20	(1)	1	21.2	1
Finley, Tex	24	5	9	24.7	7
Ouachita: Camden, Ark	30	3	- 11	35.1	7
		"		30.2	,
WEST GULF DRAINAGE.					
Logansport, La	25	27	(2)	26.0	28
Bon Wier, Tex	20	13	` 15	20. 3	14
Trinity:	05	13	15	25, 4	14
Liberty, Tex	25	13	19	20.4	14
	22	23	23	25. 2	23
Gonzales, Tex	_ ==				
Gonzales, Tex	16	25	25	18, 2	25

¹ Continued from January. ² Continued into March.

MEAN LAKE LEVELS DURING FEBRUARY, 1923.

By United States Lake Survey.

[Detroit, Mich., March 7, 1923.]

The following data are reported in the "Notice to Mariners" of the above date:

Lakes. ¹				
Superior.	Michigan and Huron.	Erie.	Ontario.	
Feet.	Feet.	Feet.	Feet.	
601. 60	578. 81	570.88	244, 47	
-0.26	-0.21	0. 29	0.03	
+0.22	-0.41	0. 29	0.23	
→0.30	-1.18	-0.77	-1.05	
0.88	-3.91	-2.87	-2.20	
+0.84	-0.35	+0.25	+0.64	
	0.00	-0.10	0.00	
	-0.10	-0.10	0.20	
	Feet. 601. 60 -0. 26 +0. 22 -0. 30 -0. 88	Superior. Michigan and Huron. Feet. 601. 60 578. 81 -0. 26 -0. 21 +0. 22 -0. 41 -0. 30 -1. 18 -0. 88 -3. 91 +0. 84 -0. 35	Superior. Michigan and Huron. Erie. Feet. 601.60 578.81 570.88 -0.26 -0.21 -0.29 +0.22 -0.41 -0.29 -0.30 -1.18 -0.77 +0.88 -3.91 -2.87 +0.84 -0.35 +0.25	

¹ Lake St. Clair's level: In February, 573.07 feet.